



SEQUENCE LISTING

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<120> NEW MUTANT-ACETYLGLUTAMATE SYNTHASE AND METHOD FOR L-ARGININE PRODUCTION

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<150> RUSSIAN FEDERATION 2000116481

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<160> 16

<170> PatentIn version 3.1

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caccctgcga aaaaacagaa taaaaataca ctaatttcga ataatcatgc aaagaggtgt 240

gcc gtg gta aag gaa cgt aaa acc gag ttg gtc gag gga ttc cgc cat 288  
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Ser Val Pro Tyr Ile Asn Thr His Arg Gly Lys Thr Phe Val Ile Met  
20 25 30

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Leu Gly Gly Glu Ala Ile Glu His Glu Asn Phe Ser Ser Ile Val Asn  
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gat atc ggg ttg ttg cac agc ctc ggc atc cgt ctg gtg gtg gtc tat 432  
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65 70 75

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Pro Leu Tyr His Lys Asn Ile Arg Val Thr Asp Ala Lys Thr Leu Glu  
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Val Lys Gln Ala Ala Gly Thr Leu Gln Leu Asp Ile Thr Ala Arg Leu  
100 105 110  
Ser Met Ser Leu Asn Asn Thr Pro Leu Gln Gly Ala His Ile Asn Val  
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Val Ser Gly Asn Phe Ile Ile Ala Gln Pro Leu Gly Val Asp Asp Gly  
130 135 140  
Val Asp Tyr Cys His Ser Gly Arg Ile Arg Arg Ile Asp Glu Asp Ala  
145 150 155 160  
Ile His Arg Gln Leu Asp Ser Gly Ala Ile Val Leu Met Gly Pro Val  
165 170 175  
Ala Val Ser Val Thr Gly Glu Ser Phe Asn Leu Thr Ser Glu Glu Ile  
180 185 190  
Ala Thr Gln Leu Ala Ile Lys Leu Lys Ala Glu Lys Met Ile Gly Phe  
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Cys Ser Ser Gln Gly Val Thr Asn Asp Asp Gly Asp Ile Val Ser Glu  
210 215 220  
Leu Phe Pro Asn Glu Ala Gln Ala Arg Val Glu Ala Gln Glu Glu Lys  
225 230 235 240  
Gly Asp Tyr Asn Ser Gly Thr Val Arg Phe Leu Arg Gly Ala Val Lys  
245 250 255  
Ala Cys Arg Ser Gly Val Arg Arg Cys His Leu Ile Ser Tyr Gln Glu  
260 265 270  
Asp Gly Ala Leu Leu Gln Glu Leu Phe Ser Arg Asp Gly Ile Gly Thr  
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Gln Ile Val Met Glu Ser Ala Glu Gln Ile Arg Arg Ala Thr Ile Asn  
290 295 300



Asp Ile Gly Gly Ile Leu Glu Leu Ile Arg Pro Leu Glu Gln Gln Gly  
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Ile Leu Val Arg Arg Ser Arg Glu Gln Leu Glu Met Glu Ile Asp Lys  
325 330 335

Phe Thr Ile Ile Gln Arg Asp Asn Thr Thr Ile Ala Cys Ala Ala Leu  
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Tyr Pro Phe Pro Glu Glu Lys Ile Gly Glu Met Ala Cys Val Ala Val  
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His Pro Asp Tyr Arg Ser Ser Ser Arg Gly Glu Val Leu Leu Glu Arg  
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Ile Ala Ala Gln Ala Lys Gln Ser Gly Leu Ser Lys Leu Phe Val Leu  
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Thr Thr Arg Ser Ile His Trp Phe Gln Glu Arg Gly Phe Thr Pro Val  
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Asp Ile Asp Leu Leu Pro Glu Ser Lys Lys Gln Leu Tyr Asn Tyr Gln  
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